

THE MIDLAND CHEMIST

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Thank You, Welcome, and Looking Ahead

Gina Malczewski, Outreach Committee Leader, Secretary and 2015 Chair, Midland Section ACS

As 2015 approaches, I wish to thank those departing elected office in our Section: **Wayde Konze**, Past Chair; **Tony Sokolov**, Treasurer; **Pat Smith**, Director; **Dave Karpovich**, Director; **Bob Howell**, Councilor; **Connie Murphy**, Alternate Councilor; and **Chelsea Quinn**, Chair, Nominations and Elections. I am also grateful to those who recently ran for office for their willingness to serve, and I welcome my fellow volunteers who will be working to maintain the quality of our Section's efforts next year.

Our schedule for board meetings is as indicated below. There are potential changes for June and December, to offer locations outside of our usual, as well as some food and socialization before and during the meeting. Those changes will be announced at least a month ahead. ALL MEETINGS ARE OPEN to those interested. The Board Room at the Center for the Arts is actually reserved 6–8:30 PM on the days indicated; the 6–7 PM time frame may be used for other meetings as needed. We will have a conference line available, at least at MCFTA meetings: TOLL FREE number, 866-299-7945; participant code, 9837036.

Persons seeking to offer agenda items for any meeting are welcome to contact me any time (reginamalczewski@gmail.com); a call for items will be issued at least a week prior to the meeting. I will do my best to issue the agenda and associated materials at least two days before the meeting.

2015 ACS Midland Section Board Meeting Schedule

Mondays; 7–8:30 PM

DATE	LOCATION	NOTE
January 5	MCFTA Board Room	
February 2	MCFTA Board Room	
March 2	MCFTA Board Room	
April 6	MCFTA Board Room	National ACS Spring Meeting, March 22–26, Denver. Midland Public Schools spring break, March 30 week. Easter, April 5.
May 4	MCFTA Board Room	
June 1	MCFTA Board Room (tentative)	Location and date may change.
August 3	MCFTA Board Room	NO MEETING IN JULY.
August 31	MCFTA Board Room	National ACS Fall Meeting is August 16–20, in Boston.
October 5	MCFTA Board Room	NO MEETING IN SEPTEMBER due to Labor Day conflict.
November 2	MCFTA Board Room	
December 7	MCFTA Board Room (tentative)	Location and date may change.

2015 Officers and Board Election Results

Chelsea Quinn, Chair, Nominations and Elections

A summary of the results of this fall's election of the 2015 Officers and Board of the Midland Section of the American Chemical Society is reported below:

Chair-Elect: Gina Malczewski
Secretary: Wenyi Huang
Treasurer: Wendy Flory
Chair of N&E: Kshitish Patankar
Director: Michelle Rivard
Director: Thomas Lane
Director: Dave Stickle
Councilor: Dale LeCaptain
Alternate Councilor: Tami Sivy

A total of 124 valid ballots were received, representing about 18% of the eligible voters. This is a slight increase from last year, and still demonstrates strong support by our Local Section to those who put the effort into running for a position on our board. Congratulations and welcome to the new 2015 officers and board members!

Announcing the 2015 Spring Awards Banquet and Call for Nominations

Diana Deese, Awards Committee Chair, Midland Section ACS

It is that time of year again when we have the opportunity to recognize outstanding educators, volunteers and colleagues. I am asking that you take the time to nominate that outstanding person to be recognized at the American Chemical Society–Midland Section Spring Awards Banquet at the Great Hall and Convention Center in Midland (date to be determined). The awards banquet is a great way to connect with others in the industry, those who have gone before us, those who teach the next generation, and those who will be following in our footsteps.

The process of nominating can be fun and easy. Consider getting your colleagues together for lunch and putting together a packet. If you are in a managerial role and are worried about favoritism, consider nominating 2–3 qualified persons (you will remain anonymous). If you feel you deserve an award but everyone is just too busy to notice, consider leaving suggestions or have an outright discussion with your manager. If you are a parent: Does your child have a great science teacher? If so, consider nominating him/her.

From personal experience, if you know the deserving person, it only takes one hour to put together an award-winning letter, and an additional 15 minutes soliciting supporting letters. Think of what it will mean to that person and how good you will feel about your good deed. I have listed previous award recipients and would like to remedy that nasty “No Recipient” comment, as there is surely someone deserving in every category!

When you realize how exciting it is to nominate someone at the local level and you want to do more, I invite you to peruse the veritable cornucopia of awards the American Chemical Society offers at the national level. I have listed them below (editor’s note, see page 9), each linked to the corresponding Web address where you can find out more information. Now is the time to begin nominations for National awards for 2015–2016 as most annual reviews have a deadline of November 1.

Nomination packets for all awards (except outstanding high school and collegiate awards) must, at a minimum, consist of a current resume or equivalent, and at least one supporting letter in addition to your letter of nomination, all stating why the nominee is deserving of the award with specific examples of professional involvement/growth, contributions to industry, and, outside affiliations.

It is highly recommended that the nomination include a publications and patent list, where applicable, and additional letters of support which can come from students, parents, community members, and/or administrators. An example nomination letter can be requested from the awards chair via e-mail. Nominations not meeting the minimum requirements, and submissions received after the April 7, 2015 deadline, will not be considered.

For those of you sequestered in labs who feel you might not be able to attend unless you nominate someone, I say save the date and come on out for a night of food, fun, and fraternization! Watch for more detailed information right here in *The Midland Chemist*!

As always, contact me if you have any questions: Diana Deese, Midland Section ACS Awards Committee Chair (dkdeese@dow.com).

Call for Nominations—2015 Teaching, Volunteer, Education, Chemical Sciences Awards *Diana Deese, Awards Committee Chair, Midland Section ACS*

Each year, the Midland Section of the American Chemical Society presents awards to recognize outstanding achievement in the chemical sciences. Nominations for the 2015 awards are invited for the following areas:

- Outstanding Elementary Level Science Teaching
- Outstanding Middle Level Science Teaching
- Outstanding High School Chemistry Teaching
- Outstanding College Chemistry Teaching
- Science Education Volunteer of the Year
- Outstanding Achievement and Promotion of the Chemical Sciences
- Outstanding Service to the American Chemical Society
- Outstanding Chemical Technician
- Outstanding High School/College Chemistry Students

Outstanding Science/Chemistry Teaching Awards

Candidates for the teaching awards must be educators at schools in the five-county geographical area of the Midland Section: Bay, Gratiot, Isabella, Midland and Saginaw Counties. One candidate will be recognized for their teaching contributions in each of the following categories: Elementary, Middle Level, High School, and College.

Science Education Volunteer of the Year

The Science Education Volunteer of the Year award is presented to an individual who makes a substantial contribution to science learning in the Midland Section through voluntary efforts.

Outstanding Achievement and Promotion of the Chemical Sciences

Each year the Midland Section honors an individual residing within the Section's geographical area who has demonstrated outstanding achievement and promotion of the chemical sciences. This award recognizes dedication and service to the chemical profession, but the recipient need not be an ACS member.

Outstanding Service to the American Chemical Society

The Section sponsors an annual award to recognize outstanding service to the Midland Section of the ACS. This award recognizes achievement in the promotion of the goals and objectives of the Society. Nominees shall be members of the Midland Section. Nominations should include a history of service to the Midland Section, and supporting letters from fellow ACS members.

Outstanding Chemical Technician

The Section presents an annual Outstanding Chemical Technician award to an individual who has demonstrated an extremely high degree of professionalism as a chemical technician. Nominees must have worked for five years as a chemical technician, or in a related field, and whose primary job includes conducting experimentation or correlating information to help solve chemical problems or discover new chemical knowledge. Nominee must have successfully completed a two-year post-high school level chemistry curriculum leading to an associate degree, the equivalent course in a baccalaureate program, or equivalent experience. ACS membership is not required for chemical technicians to be eligible for this award.

Nominations should include outside affiliations. *Request the National ACS nomination form from the awards chair to nominate in this category.*

Recipients of all awards will be selected by the Awards Committee with the exception of the Outstanding Achievement and Promotion of the Chemical Sciences award, which is submitted for approval by the Executive Committee. Nominators should write a letter indicating the award and describing the attributes of the candidate.

Nomination packets for all awards (except outstanding high school and collegiate awards) must, at a minimum, consist of a current resume or equivalent, and at least one additional supporting letter included with your nomination all stating why the nominee is deserving of the award. Specific examples should be given in areas such as professional involvement/growth, contributions to industry, and outside affiliations. It is highly recommended that the nomination include a publications and patent list where applicable. Additional letters of support can come from students, parents, community members, and/or administrators.

The deadline for nominations is April 7, 2015. Nominations not meeting the minimum requirements, and submissions received after the April 7 deadline, will not be considered. Mail or fax submissions are acceptable; *electronic (e-mail) submissions are preferred*. All submissions must be accompanied by the name, position, address and phone number of the nominator.

Outstanding Chemistry Students

The Awards Committee also recognizes outstanding chemistry students at the high school and collegiate levels. Those students should be selected by their respective departments, and their names forwarded to the Awards Committee using the form attached to this call for nominations. One selection per school; no supporting letters needed.

Award recipients, as well as Chemistry Olympiad winners and Fifty/Sixty/Seventy Year ACS Members, will be honored at the 2015 ACS Spring Recognition Dinner at the Great Hall in the Valley Plaza, Midland.

The Awards Committee greatly appreciates the efforts involved in nominating someone, and wishes to thank you for helping to recognize deserving students, colleagues, and educators in our Section. Please pass this information along to anyone involved in our local science programs!

For example nominations or more detail on any award, please contact Diana Deese.

Electronic submissions are acceptable and preferred, or via U.S. mail to:

Diana K. Deese, Chair
ACS Midland Section Awards Committee
Phone: (989) 636-9915
e-mail: awards@midlandacs.org
or dkdeese@dow.com



American Chemical Society – Midland Section

**Nomination Form for 2015 Outstanding High School / Collegiate Chemistry Student
ACS Midland Section**

Dept. Chair or other Nominator: _____

Telephone number: _____

E-mail address (required): _____

School: _____

Student's name: (Mr./Ms.) _____
(Indicate) (Please print legibly)

Home address: _____

Telephone number: _____

E-mail address (required): _____

Student's career/postgraduate plans (if known):

Please return this form to the following address no later than **April 7, 2015**:

Diana K. Deese

ACS Awards Committee Chair, Midland Section

Midland, MI 48686

Phone: (989) 636-9915

e-mail: dkdeese@dow.com

Previous Recipients of Midland Section ACS Awards

Diana Deese, Awards Committee Chair, Midland Section ACS

Elementary Level Science Education

1992	Karen Ziemelis
1993	Lela Wade
1994	Constance A. Dullock
1995	Joan Kloplic
1996	Mark Hackbarth
1997	Denise Koppleberger, Cheryl Ruthig
1998	Barbara McGivern
1999	John Clark
2000	Sue Burtch, Robin Harshman-Rogers, Vicki Richard, Clare Jorgensen
2001	Cathy Egerer, Amy Hindbaugh-Marr
2002	Maureen Becker
2003	Leon Katzinger
2004	Joan Roels
2005	Curt Moses
2006	Robin Allen
2007	Diane Huckins
2008	Rachel Pappas
2009	No Recipient
2010	No Recipient
2011	Beth Quimby
2012	No Recipient
2013	No Recipient
2014	No Recipient

Middle Level Science Education

1992	Derrell Steffen
1993	Laurie Hepinstall
1994	JoAnn Kraut
1995	No Recipient
1996	Barbara J. Bibbee
1997	Gary J. Johnson
1998	No Recipient
1999	No Recipient
2000	No Recipient
2001	No Recipient
2002	Joel Mikusko
2003	No Recipient
2004	Christine Brillhart
2005	No Recipient
2006	Matthew Miller
2007	John Hoving
2008	Mark Koschmann
2009	Carla Piazza
2010	Melinda Coyle
2011	Jennifer Lenon
2012	Jayne Swanson
2013	John Barnes
2014	No Recipient

High School Chemistry Teaching

1989	Robert Wallace
1990	Gary Ronk
1991	No Recipient
1992	John Clark, Edna Konwinski
1993	Mary Irons
1994	Jo Ann Pelkki
1995	No Recipient
1996	Sandra Schafer
1997	Mary Fredell
1998	Dale Ressler
1999	Robert Enszer
2000	Steven Kelly
2001	William Stokes
2002	Robert Hansen
2003	No Recipient
2004	Doug Grezeszak
2005	Pamela Thompson
2006	Daniel Sealy
2007	No Recipient
2008	No Recipient
2009	Nancy Vossen
2010	Sandra Schafer
2011	David Allan
2012	David Bruessow
2013	Tom Short / Sarah Beery
2014	No Recipient

College Chemistry Teaching

1989	Joan Sabourin
1990	Bob Howell
1991	Robert Kohrman
1992	Scott Hill
1993	Ajit Sharma
1994	Laura Vosejpka
1995	George Eastland
1996	Martin Spartz
1997	Philip Squattrito
1998	Thomas Delia
1999	Steven Keinath
2000	James Hutchison

2001	Sandra Smith
2002	Margaret Hill
2003	Dale Meier
2004	Katherine Blystone
2005	Ronald Sharp
2006	Arthur G. Smith
2007	Cynthia N. Peck
2008	No Recipient
2009	No Recipient
2010	Anton Jenson
2011	No Recipient
2012	David S. Karpovich

2013	No Recipient
2014	Dr. David Baker

Science Education Volunteer

1992	Gregg Young
1993	Peter Bonk
1994	Peter Moehs
1995	Gretchen Kohl
1996	John Blizzard Richard Van Effen

1999	William Albe
2000	Karol Childs
2001	Donald Petersen
2002	Joan McMahon
2003	John Blizzard
2004	Jan Zanyk

2007	Teri Bickmore Cal Goeders
2008	Tim Drier
2009	Dave Stickles
2010	Lisa Thackery
2011	Charles & Barbara Roth

1997	Marvin Tegen	2005	Eldon Graham	2012	Estelle Lebeau
1998	Carlton Beyer	2006	Tom Chamberlin	2013	No Recipient
				2014	Charles Nielsen

Outstanding Achievement in the Promotion of Diversity in Chemistry, Related Sciences, and Engineering

(Awarded every other year)

2002	George Gant, Richard Stringfield	2008	Sandra Parker	2014	Victor Atiemo-Obeng
2004	Smallwood Holoman, Jr.	2010	Theophilus Leapheart		
2006	Joan Sabourin	2012	Linneaus Dorman		

Outstanding Chemical Technician

1997	Connie J. Murphy	2004	Sherry Allen	2011	Amy Tesolin-Gee
1998	David Stickles	2005	Bill Rievert	2012	Amber Wallace
1999	Ronald L. Good	2006	Margo McIvor	2013	No Recipient
2000	Kurt A. Bell	2007	Debbie Bailey	2014	Jeff Seifferly
2001	Gordon R. Roof	2008	Sue Perz		
2002	Cynthia J. Gould	2009	Diana Deese		
2003	Robert Krystosek	2010	No Recipient-Spring Award		

Outstanding Achievement and Promotion of the Chemical Sciences

1976	Dr. Turner Alfrey, Jr.	1990	Dr. Joseph E. Dunbar	2004	Herbert D. (Ted) Doan
1977	Dr. Etyl H. Blair	1991	Dr. Thomas H. Lane	2005	Dr. Michael J. Owen
1978	Dr. David C. Young	1992	Dr. Donald A. Tomalia	2006	Dr. Robert E. Kohrman
1979	Dr. Vernon A. Stenger	1993	Dr. Dale J. Meier	2007	Dr. Petar R. Dvornic
1980	Dr. Daniel R. Stull	1994	Dr. Philip T. Delassus	2008	Dr. Jack Kruper
1981	Dr. Bob A. Howell	1995	Dr. Duane B. Priddy	2009	No Recipient
1982	Dr. Wendell L. Dilling	1996	Dr. Hans G. Elias	2010	No Recipient-Spring Awards
1983	Dr. Donald R. Weyenberg	1997	Dr. Ludo K. Frevel	2011	Dr. James Falender
1984	Dr. Edwin P. Plueddemann	1998	Dr. Patrick B. Smith	2012	No Recipient
1985	Dr. Raymond P. Boyer	1999	Dr. David E. Henton	2013	No Recipient
1986	Stanley P. Klesney	2000	Dr. Steven J. Martin	2014	No Recipient
1987	Dr. Warren B. Crummett	2001	Dr. Edwin C. Steiner		
1988	Dr. A. Lee Smith	2002	Dr. Thomas J. Delia		
1989	Dr. Do Ik Lee	2003	Dr. Robert M. Nowak		

Outstanding Service to the American Chemical Society

1989	Dr. David C. Young	2000	Dr. Peter & Dr. Patricia Dreyfuss	2011	No Recipient
1990	Dr. Linneaus C. Dorman	2001	Dr. George W. Eastland, Jr.	2012	No Recipient
1991	Dr. Donald R. Petersen	2002	Joan Sabourin	2013	No Recipient
1992	Dr. Wendell L. Dilling	2003	John Blizzard	2014	No Recipient
1993	Dr. Bob A. Howell	2004	Dr. Steve Keinath		
1994	Eldon L. Graham	2005	Ann Birch		
1995	Gretchen S. Kohl	2006	Dr. Philip Squatrito		
1996	Fran K. Voci	2007	David L. Stickles		
1997	Dr. Thomas H. Lane	2008	Connie Murphy		
1998	Vicky S. Cobb	2009	No Recipient		
1999	Dr. Theodore E. Tabor	2010	No Recipient-Spring Awards		

ACS National Awards for 2015–2016 Nomination

Diana Deese, Awards Committee Chair, Midland Section ACS

[ACS Award for Achievement in Research for the Teaching and Learning of Chemistry](#)
[ACS Award for Affordable Green Chemistry](#)
[ACS Award for Computers in Chemical and Pharmaceutical Research](#)
[ACS Award for Creative Advances in Environmental Science and Technology](#)
[ACS Award for Creative Invention](#)
[ACS Award for Creative Research and Applications of Iodine Chemistry](#)
[ACS Award for Creative Work in Fluorine Chemistry](#)
[ACS Award for Creative Work in Synthetic Organic Chemistry](#)
[ACS Award for Distinguished Service in the Advancement of Inorganic Chemistry](#)
[ACS Award for Encouraging Disadvantaged Students into Careers in the Chemical Sciences](#)
[ACS Award for Encouraging Women into Careers in the Chemical Sciences](#)
[ACS Award for Research at an Undergraduate Institution](#)
[ACS Award for Team Innovation](#)
[ACS Award in Analytical Chemistry](#)
[ACS Award in Applied Polymer Science](#)
[ACS Award in Chromatography](#)
[ACS Award in Colloid and Surface Chemistry](#)
[ACS Award in Industrial Chemistry](#)
[ACS Award in Inorganic Chemistry](#)
[ACS Award in Organometallic Chemistry](#)
[ACS Award in Polymer Chemistry](#)
[ACS Award in Pure Chemistry](#)
[ACS Award in Separations Science and Technology](#)
[ACS Award in the Chemistry of Materials](#)
[ACS Award in Theoretical Chemistry](#)
[Award for Volunteer Service to the American Chemical Society](#)
[Roger Adams Award in Organic Chemistry](#)
[Alfred Bader Award in Bioinorganic or Bioorganic Chemistry](#)
[Earle B. Barnes Award for Leadership in Chemical Research Management](#)
[Ronald Breslow Award for Achievement in Biomimetic Chemistry](#)
[Herbert C. Brown Award for Creative Research in Synthetic Methods](#)
[James Bryant Conant Award in High School Chemistry Teaching](#)
[Arthur C. Cope Award](#)
[Arthur C. Cope Scholar Awards](#)
[Elias J. Corey Award for Outstanding Original Contribution in Organic Synthesis by a Young Investigator](#)
[F. Albert Cotton Award in Synthetic Inorganic Chemistry](#)
[Peter Debye Award in Physical Chemistry](#)
[Frank H. Field and Joe L. Franklin Award for Outstanding Achievement in Mass Spectrometry](#)
[Francis P. Garvan - John M. Olin Medal](#)
[James T. Grady - James H. Stack Award for Interpreting Chemistry for the Public](#)
["New" Harry Gray Award for Creative Work in Inorganic Chemistry by a Young Investigator](#)
[Ernest Guenther Award in the Chemistry of Natural Products](#)
[Kathryn C. Hach Award for Entrepreneurial Success](#)
[E. B. Hershberg Award for Important Discoveries in Medicinally Active Substances](#)
[Joel Henry Hildebrand Award in the Theoretical and Experimental Chemistry of Liquids](#)

[E. V. Murphree Award in Industrial and Engineering Chemistry](#)
[Nakanishi Prize](#)
[Nobel Laureate Signature Award for Graduate Education in Chemistry](#)
[James Flack Norris Award in Physical Organic Chemistry](#)
[George A. Olah Award in Hydrocarbon or Petroleum Chemistry](#)
[Charles Lathrop Parsons Award](#)
[George C. Pimentel Award in Chemical Education](#)
[Priestley Medal](#)
[Glenn T. Seaborg Award for Nuclear Chemistry](#)
[Gabor A. Somorjai Award for Creative Research in Catalysis](#)
[The George and Christine Sosnovsky Award for Cancer Research](#)
[E. Bright Wilson Award in Spectroscopy](#)
[Ahmed Zewail Award in Ultrafast Science and Technology](#)
[Heroes of Chemistry](#)

Criteria and deadlines for the National ACS awards, and other grants and considerations, can be found at:

<http://www.acs.org/content/acs/en/funding-and-awards/awards/national/2015-national-awards-administered-by-ac.html>

Call for ACS Fellow Nominations

Michelle Cummings, Chair, Midland Section ACS

The Midland Section ACS leadership is requesting nominations for the 2015 class of American Chemical Society (ACS) Fellows. The ACS Fellows Program was created by the ACS Board of Directors in December of 2008 to recognize members of ACS for outstanding achievements in, and contributions to, science, the profession, and the Society.

ACS Fellows must be current members in good standing with the Society and have documented excellence and leadership in both science and volunteer service in the ACS community. Scientific experience may include technical, educational, professional, and/or managerial impact that has a lasting benefit on one of the chemical sciences. Volunteer service in the ACS community includes any action/position that resulted in significant enhancements to the ACS, its products, or services.

Fellows are selected by a broadly representative selection committee appointed by the Board Committee on Grants & Awards, which has governance oversight for the program.

Nominations may be submitted individually through a self-nomination process, or by technical divisions, local sections, or national committees. The Midland Section is limited to two ACS Fellow nominations, so please contact any Midland Section Board member if you would like to nominate yourself or a colleague for this prestigious award by February 1, 2015.

Additional information regarding this award, eligibility, and nominations can be found at the following link:
<http://www.acs.org/content/acs/en/funding-and-awards/fellows.html>.

Acknowledging Dedication—Thank You, Bob Howell

Gina Malczewski, Outreach Committee Leader and Secretary, Midland Section ACS

Dr. Bob Howell has been a professor of chemistry at Central Michigan University since 1976, when he first became involved with Midland ACS. His research interests include polymerization, polymeric supports for drug delivery, fire retardants, and bioplastics. Bob has been a member of the Midland Section Board for over 30 years, and a councilor for 21 years.

To be an effective councilor, both a sound understanding of the history of the Section and some experience at the national level are essential. The crucial components of ACS governance occur in the various committees rather than at Council meetings. Several years as councilor are usually required to secure membership on major committees, and Bob served on three prominent ones. This provided the Midland Section influence that would not be possible otherwise.

Committees Bob has served on at the national level include: the Committee on Professional Training (CPT; responsible for approval and review of ACS-certified programs in chemistry); the committee on Nomenclature, Terminology and Symbols (NTS); the Polymer Education Committee (PolyEd); the Patents and Related Matters Committee (CPRM); and the Organic Examinations Committee. He chaired the committee for the preparation of the 2012 exam. Bob received the E. Ann Nalley Award for Outstanding Service to ACS, and in 2011 was elected an ACS Fellow.

At the local level, Bob served the Section in various capacities since 1978: Section chair, 1983, 1984; member of the Board of Directors, 1993–present; member and chair of many committees; Project SEED preceptor (national award 2003); organized symposia (many) for Fall Scientific Meetings; financial affairs task force, and many others. He also has won a number of local awards, including the Midland Section ACS Award for Outstanding Service in 1993.

As he leaves his councilor position, we hope Bob will continue to be active in our organization, and sincerely thank him for many years of exceptional volunteer service to the chemical sciences, our Society and our Section.

Delta College Seeks Full-Time Chemistry Instructor

Delta College Human Resources

Delta College currently has an opening for a full-time chemistry instructor. The position is one-year renewable (division chair replacement). Required qualifications include:

- Master's degree in chemistry or closely related field from an accredited institution of higher education. Degree must be attained by August 1, 2015.
- Demonstrated currency in the field of chemistry.
- Minimum technology skills.

Teaching and industrial experiences will be considered. The position will remain open until filled. All application materials must be received before an applicant will be considered. For further details and qualification requirements, please see the web posting: <https://delta.peopleadmin.com/postings/1924>.

Science Café: Chemistry of Cosmetics – January 10
MCFTA Program Office

The American Chemical Society–Midland Section and Midland Center for the Arts present “Cosmetics: The Science of Beauty” with Jason Vogel of Dow Corning Application Engineering & Technical Service and Dr. Gina Malczewski.

Saturday, January 10, 2015

11:00 AM – 12:30 PM

Midland Center for the Arts

Ticket Prices: FREE!

Join us to explore cosmetic science, especially as it relates to silicones in personal care. Learn about hair and skin, the tests that are used to evaluate cosmetic products, and the nature of typical products. Guests will make their very own lotion! Ticket prices are free, but pre-registration is required ahead of time to guarantee a seat! To pre-register, go to [Science Cafe: Cosmetics](#).

Recommended for ages 10 and up. Ages 12 and under must be accompanied by an adult. Limited availability, so please register early! For more information, contact Gina at reginamalczewski@gmail.com.

Upcoming Events Sponsored by the Mid-Michigan Section of AIChE
Bruce Holden, Secretary, Mid-Michigan AIChE

All Midland Section ACS members are cordially invited to attend any of several invited-speaker events hosted by the Mid-Michigan Section of the AIChE. These meetings are held at the Grand Traverse Pie Company, 2600 North Saginaw Road, in Midland. Admission is free and may be accompanied by a limited supply of free sandwiches or pizza with other food available for purchase on site. Meeting times and locations are subject to change, so be sure to check out the MMAIChE website at <http://www.mmaiche.org> for any updates to the schedule.

Some of the following events may be of interest to Midland Section ACS members. More information on each of these events, including presentation abstracts and short bio sketches of the presenters, is available on the MMAIChE website. Just click on “Program Flyer” near the top of the MMAIChE Events page at <http://www.mmaiche.org/events.html>. You may also contact Bruce Holden at bsholden@dow.com or 989-636-5225 for more information.

- **Dan Hickman**, Fellow, Dow Chemical (recipient of 2014 Chemical Engineer of the Year award)
Scale-Up of Two Industrial Trickle Bed Hydrogenations Using Laboratory Reactor Data
Wednesday, January 21, 2015, 6:00 PM dinner (optional), 7:00 PM presentation
- **Margie Pierce**, Owner, Sourcing Engineers, Inc.
Entrepreneurship in Engineering
Wednesday, February 18, 2015, 6:00 PM dinner (optional), 7:00 PM presentation
- **Aaron Johnson**, Global Application Development Leader, Dow Water & Process Solutions
Potential and Controversies of Fracking
Wednesday, March 11, 2015, 6:00 PM dinner (optional), 7:00 PM presentation

- **Joe VanderKelen**, President, SMI Snow Makers
SMI Snow Makers and the Sochi 2014 Olympics
Tuesday, April 7, 2015, 6:00 PM dinner (optional), 7:00 PM presentation

Antique Analytical Instrument—Free to Good Home

Theron Brayman

Is anyone in the Midland Section collecting antique analytical instruments? I am a retired chemist, formerly with Dow Corning, and I have a Kletz Bio color comparator that I would like to give to any interested individual.

It was patented in 1928 and has a metal base, two tubes for sample and standard, a light source and viewing eyepieces whose positions can be adjusted—sort of a transitional method between Nessler tubes and a colorimeter.

We are downsizing prior to moving to a milder climate and I would like to give this to someone who collects such things. If I can't find anyone, it will have to go in the trash, unfortunately. If anyone is interested, please contact Theron Brayman at 989-750-6749.

WCC and YCC Hosted Program-in-a-Box: Speaking Simply, Communicating Your Science

Wendy Flory, Women Chemists Committee (WCC)

On Tuesday October 7, the Women Chemists Committee (WCC) and Younger Chemists Committee (YCC) hosted Program-in-a-Box where National ACS provides the speakers and we provide the audience. The topic of this webinar was Speaking Simply, Communicating your Science, focusing on quickly, yet effectively, speaking about scientific research. Because this program focused on students and recent graduates, the local WCC and YCC decided to host this event at two locations, one in Midland and one on the CMU campus.

The evening started at 6 PM with networking and icebreaker activities, and of course the big draw...pizza! The favorite group activity was to have one person create a structure with toothpicks and marshmallows, then get their partner to recreate the structure without looking. Prizes were given, and all enjoyed consuming their work!

The live-feed webcast began at 7 PM and featured speakers Douglas Dollemore and Darcy Gentleman, both from the ACS office of Public Affairs. In all, the combined events drew about 30 people from both academia and industry. Midland was one of almost 130 groups hosting this event. Look for the next Program-in-a-Box coming in the spring of 2015.



Chemists Without Borders (CWOB) Seeks ACS Member to Join Board

Steve Chambeau, President and Co-Founder, Chemists Without Borders

We are expanding our Board of Directors to bolster the skill sets, experience and professions in the boardroom. Drawing from the expertise of additional members, we hope to achieve better governance, and increase the human and financial resources we have available for achieving our mission. The Chemists Without Borders (CWOB) group would like to invite a member of the American Chemical Society–Midland Section to become a board member of CWOB and to, additionally, be a liaison to the Midland Section and to National ACS.

The role of Chemists Without Borders board members is to:

- Oversee the financial operations of the organization
- Maintain the legal and ethical standing of the organization and its staff
- Provide leadership and strategic direction for the organization
- Serve as guardians of the public trust
- Ensure that the organization remains accountable to its donors and to the general public
- Actively secure resources needed to execute the organization's mission

We ask board members to spend roughly 10 hours per month on board duties. Candidates may reside within the United States or abroad. All board members are expected to serve on a working group (similar to a committee), which may be chaired by either a board member or non-board member volunteer. A detailed description of essential duties and responsibilities, as well as knowledge, skills and abilities needed, is available.

While we are looking for a broad range of backgrounds, and a balance of men and women, we are also especially looking for individuals with one or more of the following skills and areas of experience:

- Strong personal network with individuals and organizations who have access to financial and other resources needed
- Communications, media & public relations
- Law
- Finance
- International humanitarian expertise
- In-country expertise
- Organizational development or management
- Strategy and planning
- Building a start-up business
- Program metrics and evaluation
- Event planning

We welcome both experienced and first-time board members. Service on Chemists Without Borders' Board of Directors is without remuneration, except for approved administrative support, travel, and accommodation costs in relation to board members' duties. The board selection process is fairly informal, but generally follows the following steps:

1. Meet (either in person or virtually) with at least two current board members to discuss possibilities, requirements, and questions. In most cases, one of these board members will be the current chair of the Board.
2. Join and participate on one of our working groups for a minimum of 45 days prior to being nominated to join the board. This will provide an opportunity for us to get to know each other better.
3. We will ask candidates to provide several references, which will be checked.
4. You will probably be given the opportunity to join in one or more board meetings prior to joining the board.
5. Chemists Without Borders members will vote during an online membership meeting convened especially for electing board members. Chemists Without Borders members include current board members as well as our most active volunteers.
6. If you are elected, you will be required to sign several agreements.
7. You will be assigned to a "board buddy."

Most BOD meetings will be virtual, so travel time and expenses are not necessary. For more information, please contact Nina Paquette at ninapaquette@gmail.com, or by phone at 989-513-1413.

Sigma Xi Elects Tom Lane North Central Regional Associate Director **Bob Howell, Councilor, Midland Section ACS**



Members of Sigma Xi, The Scientific Research Society, voted November 10 – December 9 to select their future officers. The 2014 elections had the highest participation since voting was first held online in 2011, and this year's candidates were especially impressive. Tom Lane, scientist emeritus at Dow Corning Corporation, was elected North Central Regional Associate Director.

Tom received his undergraduate education, in chemistry, at Purdue University, a master's degree from Central Michigan University and his Ph.D. in physical organic chemistry from the Open University in England. Both Purdue and CMU have recognized him with their Distinguished Alumni Award. Tom received the highest level of recognition from the Open University for his contributions to the arts and sciences, education, and the university with an honorary doctorate degree that was presented at a special ceremony in the Palais des Congrès, Versailles, France (September 2011).

He worked at the Dow Corning Corporation for 35 years where he achieved the highest scientific rank within the corporation for his technical contributions in the areas of interfacial science, scientific computing, and in the biology and biotechnology of silicon. These accomplishments have been internationally recognized and summarized in over 15 U.S. and 85 International patents, 400 technical presentations, 170 scholarly reports or publications, 5 book chapters and an encyclopedia chapter on silicon chemistry.

Tom holds academic positions in both the U.S. and the U.K. He is the 2009 president of the American Chemical Society, a Fellow of the Royal Society of Chemistry, an American Chemical Society Fellow, a Sequoyah Fellow of the American Indian Science and Engineering Society, a Fellow of the Society for the Advancement of Hispanic/Chicanos & Native Americans in Science and a number of other professional organizations. Today, his primary focus is education, student success, and the STEM pipeline.

For fun, Tom enjoys photography. He specializes in black & white, film photography using large wooden field cameras (8x10 inch negatives). He maintains a professional level darkroom in his home to develop and print his images using techniques and formulas that date back to the mid-1800s.

Although Tom's involvement in Sigma Xi has been limited to serving as the Midland Chapter president (1988–89), his leadership experience in professional societies and nonprofits is both relevant and extensive. His experiences at the national level within the American Chemical Society include: president-elect, 2008; president, 2009; past president, 2010; member of the Board of Directors, 2008–2010; Executive Committee, member, 2008–10; ex officio councilor, 2008 – lifetime; Committee on Budget and Finance, 2007–16, vice-chair in 2010, associate member, 2006; Committee on Corporation Associates, 2000–07, chair from 2005–07, vice-chair from 2002–04 and consultant, 2010–14; Board of Trustees, Group Insurance Plans for ACS Members, 2002–10, chair from 2007–10, vice-chair and chair pro tem, 2006; Committee on Committees (ConC), member ex officio, 2008; Council Policy (CPC), chair in 2009, member from 2008–2010; Grants and Awards (G&A) member, 2008–09; Public Affairs and Public Relations (PA&PR) member, 2008; Executive Compensation, chair, 2010 and member ex officio, 2009, 2008 (nonvoting); Development Advisory Board, 2008–2010; Planning Committee, member, 2008–2010; Society Committee on Education, member, 2011–16; Leadership Advisory Board, 2011–16.

Related experiences include: trustee and past chairman of the Board of Trustees, Delta College, University Center; trustee, Delta College Foundation Board; trustee and vice president, Dow Corning Foundation; director, Big Brothers and Big Sisters (2007–2010); Board of Managers, Alden B. Dow Museum of Science and Art (2004–2010); director of planning and policy, Center of Interfacial Engineering, University of Minnesota, 1991–94; Chemistry Board, Kettering University, 1998–07; director, Biosensor Enterprise, LLC (2006–2010).

For more information, please visit: <https://www.sigmaxi.org/about/leadership/society-elections/election-assocdir14-nc#sthash.WPyXvaRh.dpuf>.

Vickie Langer Accepts *The Midland Chemist* Editor Role Amy Tesolin-Gee, *Midland Chemist* Editor and Publicity Chair

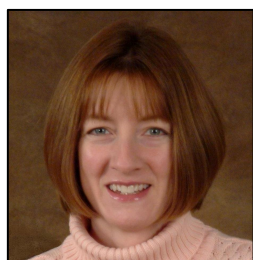


Photo courtesy of V. Langer

On behalf of the Midland Section ACS, Steve Keinath and I would like to extend a warm welcome and most sincere thanks to Midland Section ACS member Vickie Langer for answering the call to edit *The Midland Chemist* (MC).

Vickie earned her bachelor's degree in chemistry in 2000 from Indiana University–Purdue University Indianapolis (IUPUI). She joined Dow AgroSciences in Indianapolis in 1993 and transferred to The Dow Chemical Company in Midland in 2001, where she currently works as a senior chemist with the Toxicology and Environmental Research and Consulting group.

Vickie's enthusiasm and editing experience will serve the Midland Section well as she comes aboard, helping to maintain the quality and continuity of the Section's 50-year MC tradition. She will assume responsibility for even-month issues in 2015, serving as co-editor with Steve.

In Past Issues of *The Midland Chemist*

Wendell L. Dilling, Director and Historian, Midland Section ACS

50 Years Ago

In *Central Michigan University – New Building Well-Equipped for Modern Science Teaching*: “Central Michigan University opened its new \$2.75 million science building last September 1, after years of operation and science instruction in cramped, outmoded facilities. The new structure, largest on the campus, is named in honor of an emeritus Head of the Department of Physics and Chemistry, Kendall P. Brooks. It houses the Departments of Chemistry, Physics, Biology, Mathematics and Geography in some 115,000 square feet of floor space of the most modern design.”

40 Years Ago

In *Precisely a Century*, by B. R. Stanerson: “On April 6, 1976, thousands of ACS members will gather in New York to celebrate a special occasion, the Centennial of the Society. The climatic banquet will take place precisely 100 years *to the hour* from the time those 35 chemists assembled to organize the American Chemical Society.”

30 Years Ago

In *Chairman’s Corner*, by Bob A. Howell: “The fall has been a busy period for our Section. In September, the first annual Authors’ Night was held at MMI. This activity was undertaken to recognize those Section members who have authored a publication, either as a journal article or as a patent, during the preceding twelve months. A glance at the long list of member publications is sufficient to generate a strong appreciation for the vitality within the Section. Wendell Dilling and his committee members are certainly to be commended for their efforts in organizing this very successful evening of recognition. The location of subsequent Authors’ Night programs will be rotated among the academic institutions in the Section. It is anticipated that the 1985 event will be held at CMU, and the following year at SVSC (probably, in a new science facility!).”

20 Years Ago

In *From the Chairman...*, by Robert Kohrman: “THANK YOU! This month brings my last column as Chairman of the Midland Section and also brings to a close a most challenging and yet rewarding year for me. ... One of the more delightful activities of the year was the opportunity to work with some wonderful people as part of the 75th anniversary committee. Mary Reslock, Lee Smith, Dan Stull, Vernon Stenger, Earl Warrick, Bill Pike, Wendell Dilling, Gary Skory, and Fran Voci made this celebration an important memory for all of us.”

10 Years Ago

In *Chair Column – Another Vintage Year*, by Joe Ceraso: “The year has gone by amazingly fast. We have completed a number of successful programs with loads of fun. It is a humbling experience to be at the focal point of all the efforts from our Section volunteers. The energy and enthusiasm among the volunteers, including the Midland Section Board of Directors is incredible. In October 2003, the Midland Section of the American Chemical Society initiated an inaugural *fund drive* for an annual endowed scholarship fund with an ultimate goal of \$100,000. We will be making the first award(s) in 2005. Eventually, this will enable the funding of five annual scholarships of \$1,000 or more to college students in the Midland Section’s area seeking academic degrees in the chemical sciences at colleges and universities.”

Upcoming Dates, Events, and Other Updates

- January 5 (7:00 – 8:30 PM) – ACS Board meeting, MCFTA Board Room (in person), or via conference call at phone number: 866-299-7945, participant code: 9837036#.
- January 10 (11:00 AM – 12:30 PM) – *Chemistry of Cosmetics*, Midland Center for the Arts. Free event, however, pre-registration is required ahead of time at [Science Cafe: Cosmetics](http://www.mmaiche.org/events.html).
- January 21 (6:00 – 8:00 PM) – MMAICHe sponsored lecture, *Scale-Up of Two Industrial Trickle Bed Hydrogenations Using Laboratory Data*, presented by Dan Hickman, Fellow, Dow Chemical (recipient of 2014 Chemical Engineer or the Year award). Location and time: Grand Traverse Pie Company, 2600 North Saginaw Road, Midland, 6:00 PM dinner (optional), 7:00 PM presentation. For more information, see <http://www.mmaiche.org/events.html> and click on “Program Flyer” near the top of the page, or contact Bruce Holden at bsholden@dow.com.
- February 1 – Nomination deadline for ACS Fellows. To submit nominations, contact any Board member. Additional information regarding this award, eligibility, and nominations can be found at the following link: <http://www.acs.org/content/acs/en/funding-and-awards/fellows.html>.
- February 2 (7:00 – 8:30 PM) – ACS Board meeting, MCFTA Board Room (in person), or via conference call at phone number: 866-299-7945, participant code: 9837036#.
- February 18 (6:00 – 8:00 PM) – MMAICHe sponsored lecture, *Entrepreneurship in Engineering*, presented by Margie Pierce, Owner, Sourcing Engineers, Inc. Location and time: Grand Traverse Pie Company, 2600 North Saginaw Road, Midland, 6:00 PM dinner (optional), 7:00 PM presentation. For more information, see <http://www.mmaiche.org/events.html> and click on “Program Flyer” near the top of the page, or contact Bruce Holden at bsholden@dow.com.
- March 2 (7:00 – 8:30 PM) – ACS Board meeting, MCFTA Board Room (in person), or via conference call at phone number: 866-299-7945, participant code: 9837036#.
- March 11 (6:00 – 8:00 PM) – MMAICHe sponsored lecture, *Potential and Controversies of Fracking*, presented by Aaron Johnson, Global Applications Development Leader, Dow Water & Process Solutions. Location and time: Grand Traverse Pie Company, 2600 North Saginaw Road, Midland, 6:00 PM dinner (optional), 7:00 PM presentation. For more information, see <http://www.mmaiche.org/events.html> and click on “Program Flyer” near the top of the page, or contact Bruce Holden at bsholden@dow.com.
- March 22–26 – 249th ACS National Meeting & Exposition, Denver, CO. For more information, see <http://www.acs.org/content/acs/en/meetings/spring-2015.html>.
- April 6 (7:00 – 8:30 PM) – ACS Board meeting, MCFTA Board Room (in person), or via conference call at phone number: 866-299-7945, participant code: 9837036#.
- April 7 – Nomination deadline for ACS Midland Section Spring Awards Banquet to honor outstanding educators, volunteers and colleagues. For more information, contact Diana Deese, Chair, ACS Midland Section Awards Committee: (989) 636-9915; dkdeese@dow.com.
- April 7 (6:00 – 8:00 PM) – MMAICHe sponsored lecture, *SMI Snow Makers and the Sochi 2014 Olympics*, presented by Joe VanderKelen, President, SMI Snow Makers. Location and time: Grand Traverse Pie Company, 2600 North Saginaw Road, Midland, 6:00 PM dinner (optional), 7:00 PM presentation. For more information, see <http://www.mmaiche.org/events.html> and click on “Program Flyer” near the top of the page, or contact Bruce Holden at bsholden@dow.com.
- May 4 (7:00 – 8:30 PM) – ACS Board meeting, MCFTA Board Room (in person), or via conference call at phone number: 866-299-7945, participant code: 9837036#.
- May 27–30 – ACS Joint Great Lakes/Central Regional Meeting, Grand Rapids, MI. For more information, see <http://jglcrm2015.com/>.

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